

Amendments to the Specification:

Please replace the paragraph beginning at page 14, line 4, with the following rewritten paragraph:

I/O subsystem 104 has one or more electronic substrates (or boards) having multiple I/O channels 104. FIG. 4 ([1]) shows I/O channels 1, 2, 3,... n. In some embodiments, each detector in inspection station 102 sends collected data to more than one I/O channel. The number of I/O channels to which data is sent from a detector depends on various factors, one of which being the amount of data collected by a detector. Each detector in inspection station 102 can send data to a different number of I/O channels 110.